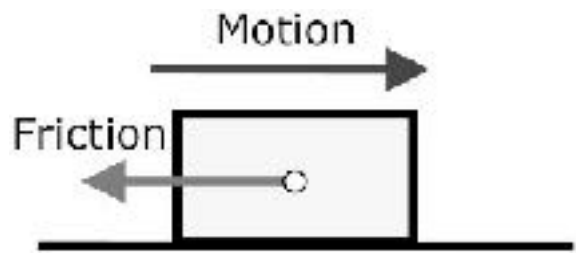


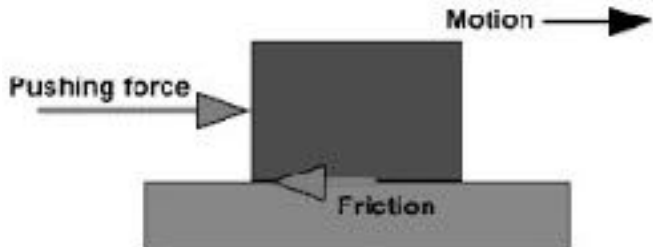
The force that two surfaces exert on each other when they rub against each other is called friction.



Static friction acts on objects that aren't moving.



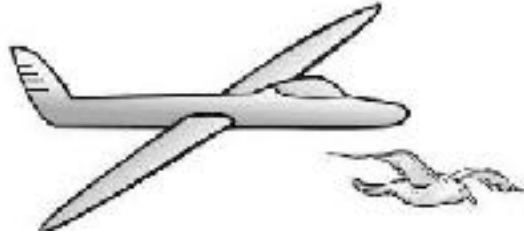
Sliding Friction occurs when solid surfaces slide over each other.



Rolling friction occurs when an object rolls over a surface.



Fluid friction results when an object moves through a fluid – liquid or gas – such as water, oil, or air.



Gravity is the force that pulls objects toward each other.



Weight is the force of gravity on a person or object at the surface of a planet.



Mass is a measure of the amount of matter in an object.



When the only force acting on a falling object is gravity, the object is in free fall.

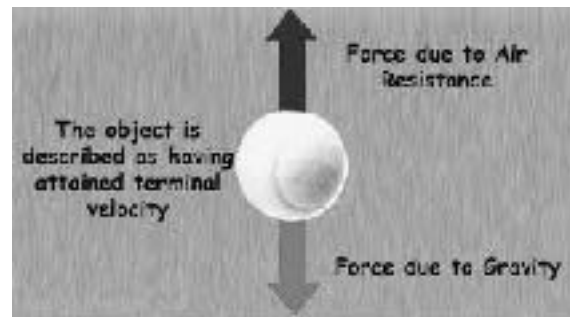


Skydiver free falling from sky

Objects falling through air experience a type of fluid friction called air resistance.



The greatest velocity that can be obtained by an object in free fall is called terminal velocity.



An object that is thrown is called a projectile.

